#### THE LIGHT OF THE FUTURE.

A NOTED AUSTRALIAN SCIENTIST HAS DISCOVERED A WAY TO PRODUCE LIGHT WITHOUT HEAT-HE IS THE INVENTOR OF A PHOSPHORESCENT LAMP WHICH GIVES FORTH A "COLD" LIGHT-PROF. EBERT ESTIMATES THAT ONE-HORSE POWER WILL OPERATE SIXTY-FOUR MILLION OF THESE LAMPS-ONE MAN TURNING A CRANK MAY LIGHT A WHOLE CITY-WHAT TESLA HAS TO SAY.

WILL OPERATE SIXTY-FOUR MILLION OF THESE LAWSONE MAN TURNING A CRANK TAX HIGHT A WHOLE CITY—
WHAT TESIA HAS TO SAY.

(Copyright, 187, The S. S. McChure Co.)

Experiments are now being carried on in Europe which scientists think may revolutionize the shole lighting system of the world. The incendessent is the demand of what system of the world. The incendessent is the demand of what system of the world. The world is the world of the world. The incendessent is the world of the world. The world is the world of the world in the world of the world. The world is the world of the world is the world of the world in the world. The world is the world in the world of the world in the world. The world is the world in the world of the world in the world is the world in the world. The world is the world in the world is the world in the world in the world in the world is the world in the world. The world is the world in the world in the world in the world is the world in the world in the world in the world is the world in the world is the world in the world in the world in the world is the world in the world in the world in the world in the world is the world in the

pelled to throw away 57 or 28 per cent of heat. Scientists then are striving to save this immense waste and this practically is what Professor Lodge would have to be increased to 400,000, means by saying that if it becomes 000,000 (four hundred trillions) oscilmeans by saying that if it becomes possible to convert mechanical energy into light alone a whole city might be legome visible as red light. Some conlighted by the simple turning of a crank shaft.

WHAT THE NEW LAMP IS LIKE. Pully's lamp is not operated by dynamos or storage batteries. It operates with a different kind of electric. There is, therefore, something of a chap for that. Can't we shake hands and call it square?"

With the utmost gravity Lord Ormonde grassed the small hand of his hereditary foe, and when the amused mother came to congratulate them on the bappy settlement of 600 years of bitterness, she found young hopeful perched, like his famous ancestor, on the neck of the Butler.

There is, therefore, something of a feet. Puluf's lamp is not operated by dynamos or storage batterior. It operates with a different kind of electric current, it is lighted by means of an induction coil or a glass plate electric machine. The static electricity thus produced is the same in every respect as lightning. It is atmospheric and fits voltage or electro-motive force is so great that it will readily pass through the air. It need, therefore, something of a task in store for the scientists who expect to harness the ether and make it produced is the same in every respect as lightning. It is atmospheric and fits voltage or electro-motive force is so great that it will readily pass through the air. It need, therefore, something of a task in store for the scientists who expect to harness the ether and make it produce light. Puluf says become more rapid as the metallic coating of the claest, and possibly the bloodiest in the world.

Discoveries at Tanganylka.

Mr. J. E. S. Moore has just reached England on his return from Central Africa, whither he went on an expedition, supported by the Royal Society, the objects of which were to investigate the many billions per second. To produce the neck of the Butler.

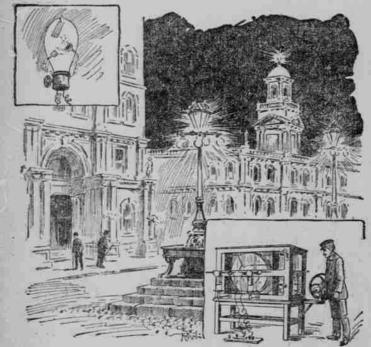
Thus ended a feud, undoubtedly one of the cledest, and possibly the bloodiest in the world.

Mr. J. E. S. Moore has just reached England on his return from Central Africa, whither he went on an expedition, supported by the Royal Society, the objects of which were to investigate the result of the coating could be made as small as the metallic coating of the claest, and possibly the bloodiest in the world.

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Thus ended a feud, undoubtedly one of the occlaration of the occlaration of the coating of the clayer in the world.

Mr. J. E. S. Moore has just reached England on his return from Central Africa, whither he went on a cept that the wires leading into the great problem, for if this molecular lamp do not extend up the neck from film could discharge its electricity in



"ONE MAY, BY TURNING A CRANK, LIGHT A WHOLE CITY."

a socket. They extend directly through the side of the bulb. They are made of aluminum. The negative pole or exthode ends in a small reflectorshaped disc. Hanging from the point or apex of the lamp globe is a small square sheet of mica. The piece of mica faces the reflector disc or negative pole and is painted with sulphide of calcium, an extremely phosohorescent substance. When the negative pole of the lamp is connected with an induction coil the current is, as it were, concentrated by the little disc in the lamp and a constant stream of raciant electric matter flows from it and bombards the painted sheet of mica, which immediately glows with an intensely boffliant phosphorescent light.

This is Puluf's lamp as it exists to fine nearly put into it is converted in light. It is therefore the nearest possible approach to cold light that has yet been made. But it is not in its present stage available for general lighting purposes. Puluf is experimenting with a view to arriving at a solution of the obstacle. It is his belief that the general advancement of lighting after the graph of the small by chemical means. He is converted in a vacuum than under ordinary conditions.

Tesla once made a remark which for making light entirely without heat will be found by chemical means. He is converted in a vacuum than under ordinary conditions.

Tesla once made a remark which for a vacuum than under ordinary conditions.

Tesla once made a remark which was full of the spirit of future progress in the matter of lighting. "It is of the chemical conversion of the ether into light, it is not easily of the chemical conversion of the ether into light. It is not easy to imagine how this is to be done, but such is the statement. Puluí, if the fates

a socket. They extend directly through conjunctions with the molecules sur

chemical process taking place, and to accomplish this we only need to perfect methods of producing enormous frequencies and potentials." These words of Mr. Tesla contain a suggestion, the full meaning of which has frequencies and potentials." These words of Mr. Tesla contain a suggestion, the full meaning of which has lately been more thoroughly understood. To produce something from nothing has ever been a great human problem, not always solvable. Here is a great scientist pointing out a scientific way of accomplishing the feat. The hidden meaning of the remark is not hard to discern. His words would seem to intimate that we have been employing exceedingly crude methods of light production; that in the laboratory of nature means and material exist which may be procured and used for the mere asking; that our proper course would be to first see how light is produced in nature, and then as far as possible to go and do likewise. The harnessing of the ether means the solution of many great secrets of the universe, the utilization of natural light, the subite transmission of speech through miles of space, and the greatest triumph science has yet known.

THEODORE WATERS.

what slangy phrase:
"Well, I suppose I ought to punch your head on account of the feud, but I say, you know, you're too jolly decent a chap for that. Can't we shake hands

the material molecules of the atmosphere the oscillations would reach many billions per second. To produce this extremely thin coating is the great problem, for if this molecular film could discharge its electricity in film could discharge its electricity in conversation with a representative of Return 2 agency. Mr. Moore middle with the other great African lakes in conversation with a representative of Return 2 agency. Mr. Moore middle with the other great african lakes in proceeded to Chindi, thence going by a support of the conversation with a representative of Return 2 agency. Mr. Moore middle with the natives. I got together my caravan, consisting of about 50 men of whom were armed with rifled coil with the natives. I then marched end of Tanganyika, where the Chartered company placed at my disposal a steel boat. There were also available a number of Arah thows and causes, which is more consisting of about 50 men, and a consisting of a cons

#### A HERO.

He was perfectly certain, he always said (And story books must be true!) That somewhere over the meadows led To the den of a robber crew.

So adown the lane with his sword and shield. One beautiful summer day, And over the fence to the buttercup field He merrily took his way.

And he laughed ho! ho! as he went along. And put on his fiercest looks. And he made up a kind of a battle-song. As they do in the story books.

But the dragon that lived in the butter-cup field.

And guarded the robbers' den.

Came up and sniffed at his sword and shield.

And opened its mouth—and then.

So somebody tells me, this brave little man
(Oh. sad to relate, but true')
Dropped helmet and all, turned tail and fall.
At the sound of that terrible "Moo!"

Still, robbers there must be left to fight, And dragons there are, no doubt; And it's glorious fun if the weather is bright. And—there arn't any cows about! —A. L. in Little Folks.

USEFUL PRESENTS

Frank Knox...... PEPUBLIC

Your Choice of the Following:

# Teas, Coffees, Spices

Free Conct. Purchase. each.

Your Choice of the Following:

1 Meat Platter, white.
2 Plates, decorated.
1 Coffee Cup and Saucer.
1 Majolica Pitcher.
1 Yellow Mixing Bowl.
1 Chysarthenium Fee Cy I Mojolica Pitcher.

I Mojolica Pitcher.

I Chrysanthenum Egg Cup.

I Wind Flower Cup and Saucer.

I Crystal Glass Jely Dish.

I Crystal Glass Spoon Holder.

I White Cups and Saucers.

I Chrysanthenam Oyster Bowl.

White Scolloped Howl.

I White Scolloped Howl.

I White Scolloped Howl.

I White Scolloped Howl.

I White Table Bowl.

I Table Tumblers.

I Berry Dish.

I Set Salt and Pepper Shakers

Chrysanthemum Mustard Fot.

Chrysanthemum Dinner Plate.

Forsed Bastling Spoon.

Milk Pail, 4 quarts.

Enamel Pie Plate.

Yellow Pie Plate, large.

Harvest Dessert Plates.

Chrysanthemum Cream Pitcher.

Milk or Dairy Pan.

Roast or Drip Pan.

Crystal Glass Spoon Tray.

Crystal Glass Preserve Dish.

Yellow Cake Pan, round.

Crystal Gablets.

Table Goblets.

Faney Fruit Plate.

Fancy Bisque datching Eggs. White China Candlestick. Fancy Cup and Saucer and Plate, Fancy Cream Pitcher.

our Choice of the Following:

1 Kitchen Set, complete
1 Fancy Engraved Vinegar Bottle.
1 Saiad Bowl, Windflower.
1 Meat Platter, Chrysanthemum.
1 Vegetable Dish, Windflower.
2 Cups and Saucers, Windflower.
2 Cups and Saucers, Windflower.
1 Cuspidore, Majolica.
1 Rose Bowl, fancy.
1 Milk Pitcher, Windflower.
1 Coffee Cup and Saucer, fancy colored.
1 Mufflin Pan, 12 rings.
1 Butter Knife and Sugar Spoon.
1 Cream Pitcher, Tankard.
3 Cups and Saucers, decorated.
3 Cups and Saucers, decorated.
1 Syrup Pitcher, crystal.
1 Cup and Saucer, mustache, fancy.
1 Mush Set, Chrysanthemum.
2 Dinner Plates, Chrysanthemum.
1 Carving Set, best steel.
1 Tankard Milk Pitcher, crystal.
12 Bieque Hatching Eggs.
1 Cake Pinte, open handle.
1 Card Basket, Bohemian.
1 Tea Cup and Saucer, thin china.
6 Table Tumblers, crystal.
3 Ale or Beer Glasses.
1 Vegetable Dish, Eola blue.
1 Cream Pitcher, Eola blue.
1 Crake Stand, crystal.
1 Preserve Set, crystal.
1 Preserve Set, crystal.
1 Preserve Set, crystal.
1 Preserve Set, crystal.
1 Flower Holder, Bohemian.
2 Egg Cups, Chrysanthemum.
3 Bone Plates, Chrysanthemum.
4 Table Goblets, crystal.
1 Sauce Pan, 6 quarts.
1 Pudding Pan, yellow. .50 Purchase Teas, Coffees, Spices

Your Choice of any of the following Articles:

1 Jardinlere, fancy.
1 Berry Set, complete.
6 Cuos and Saucers, decorated.
1 Claret Set, crystal.
1 Ten Pot, fancy.
6 Pudding Eowls, Chrystanthemum.
1 Bisque Vase, fancy.
5 Dinner Plates, Windflower.
12 Knives and Forks.
1 Milk Can, 2 quarts, enamel.
1 Roaster, covered.
1 Mush Set, medailion.
1 Water Pitcher, Windflower.
1 Butter Dish, Harvest.

1 Tea Pot, Windflower,
6 Egg Cups, Chrysanthemum,
1 Salad Bowl, Chrysanthemum,
1 Cnepidore, fancy,
1 Table set, crystal,
1 Orange Bowl, crystal,
1 Cracker Jar, crystal,
1 Candy Set, complete,
I Hanging Plaque, Delft,
1 Ridish Dish, Delft,
1 Biscuit Jar, fancy,
1 Celery Strand, fancy,
1 Celery Strand, fancy,
1 Sugar Toag, plated,

TEAS - 20, 25, 30, 35, 40, 50, 60 cents per pound COFFEES - 15, 20, 25, 30, 40 cents per pound SPICES - 10, 15, 20, 25, 30, 35, 40 cents per can

BEST QUALITY LOWEST PRICES

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# GREAT AMERICAN IMPORTING TEA CO.

MONEY SAVING STORES.

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NEW PRICE FOR 1897 NEW PRICE FOR 1897
Rambler Singles - 80 00 fixtures and safe deposit vaults ..... 56,005.83
Cash and sight exchange 130,318.12 Rambler Tandems - 130 00

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Pennsylvania Saponifier is the original and old rewalle Concentrated Lye for family soap making and general household uses. Heware of counterfeits. The success of this article has induced un principled parties to intrate it. None genuine uniess. Pennsylvania Salt.

Manufacturing Co., Philadeimas is stamped on the lid. Ask your grocers for it and take no other.

NOTICE.-TO APPLICANTS FOR PO-

sitions on the Salt Lake City police and fire departments. In accordance with see alon 1s of an act governing the aforesald departments, you are hereby notified that a public examination of all applicants for positions in said departments will be held at the office of the board, old city in the said departments will be held at the office of the board, old city in the said departments with bath.

New and elegant in all its appointments, it of commandation of all incommands are taken of the commandation of the board of police and fire commissioners.

March 2, 1897.

March 2, 1897.

March 2, 1897.

Ar. Chicago, 8:20 a.m. Ar. Ar. Chicago, 8:20 a.m. Ar. Chicago,

#### THE UTAH NATIONAL BANK OF SALT LAKE CITY.

Official Report, March 9, 1897. RESOURCES

Loans and discounts . . . \$258,873.08 

\$574,352.28

Deposits ..... 320,356.79 \$574,352,28

> J. M. STOUTT, A. B. JONES, President.

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U. S. DEPOSITORY.

SALT LAKE CITY, UTAH.

CAPITAL ......\$500,000 SURPLUS .....\$250,000 Safety Deposit Boxes for Rent.

M.COBMICK & CO. BANKERS.

SALT LAKE CITY - - - STARL ESTABLISHED 1873.

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T. R. JONES & CO.,

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## WALKER BROS .. BANKERS,

Established 1859. Successors to THE UNION NATIONAL BANK, of Salt Lake

General Banking Business

BALT LAKE CITY, UTAR Established 1852.

act a General Banking Business

J. E. DOOLY, Cashier

THE DESERET SAVINGS BANK SAIT LAKE CITY, UTAH.

Capital, \$100,000. Surplus, \$10,000. DIRECTORS: James T. Little, President.

Moses Thatcher, Vice-President,
Elias A. Smith, Cashier.

Ellas A. Smith, Cashi
Henry Dinwoodey, George Romney,
Jam'es Sharp, H. W. Riter,
John R. Barnes,
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David Eccles, E. R. Eldredge Four per cent interest paid on savings deposits, compounded semi-annua Accounts solicited from \$1 unward.

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General Office 202 Wittingham Building DAILY TRAINS AS FOLLOWS.
Leave.
S. L. City, 8:00 a.m. Park City, 10:00 a.m.
Park City, 19:00 p.m., S. L. City, 5:15 p.m.
Depot Main and Eighth South Sts.
J. McGregor, Clarence Cary, Receivers
F. E. Shafer, General Freight and Pas

Commercial National Bank.

CAPITAL PAID IN, \$300,000. General banking in all its branches. Directors—F. H. Auerbach, John J. Daiy, O. J. Salisbury, Moyian C. Fox, Thomas Marshall, W. P. Noble, George M. Dewney, John Donnellan, Newell Beeman.

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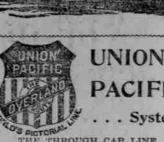
The Mercantile Agency. GEORGE OSMOND, General Manager, Utah and Idaho. Offices in Progress Building Salt Lake City.

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On Effect May 10, 1884.)

ARRIVE.

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Kansas City, Denver, Park
City and Ogden. 2:10 p.m.

From Helena, Butte, Portland,
San Francisco, Ogden and intermediate points 3:06 a.m.

From San Francisco, Cache Valley, Ogden and intermediate
points 7:15 p.m.

THE THROUGH CAR LINE.
Trains arrive and depart at Sait Lake
City daily as follows:

Points

From Chicago, Omaha, St. Louis,
Kansas City, Denver and Og-From Frisco, Milford and inter-

For Chicago, Omaha, Denver, Kanass City, St. Louis, Ogden and Park City.

For San Francisco, Ogden, Cache Valley and Intermediate points

For Ogden and Intermediate 5:00 a.m.

For Ogden and Intermediate 5:00 p.m. DEPART.

For Ogden and Intermediate points.
For Chicago, Omaha, Denver, Kansas City, St. Louis, Butte, Portland and San Francisco. 7:00 p.m. For Enreka. Mercur. Provo, Nephil, Sunpete Valley. 7:40 a.m. Provo and intermediate points. 6:00 p.m. Mixed train for Garfield Beach. Toole and Terminus. 7:45 a.m. Trains south of Juab run daily except Sunday.

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Through Pullman Palace Sleepers, Latest Improved Tourist Sleepers, Free Recilining Chair Cars. Elegant Day Coaches.

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> SALT LAKE POUTE.

Current Time Table. IN EFFECT JAN. 18, 1897.

LEAVE SALT LAKE CITY. 2-For Bingham, Provo, Grand Junction and all points 

ARRIVE SALT LAKE CITY.

Points
No. 2-From Ogden and the
West
No 4-From Ogden and the
West
No. 4-From Ogden and the
West
No. 6-From Ogden and intermediate points
No. 7-From Eureka, Payson,
Provo and all intermediate
points
Only line running through Pullman
Palare Sleeping Cars from Salt Lake
City to San Francisco; Salt Lake City to
Denver via Grano Junction, and Salt
Lake City to Kansas City and Chicago
via Colorado points.
Through tourist or family sleepers without change, to Kansas City, Chicago and

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General Manager.
F. A. WADLEIGH. Gen. Pass. Agt.

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Between Sait Lake City, Ogden and Leadville, Cripple Creek, Colorado Springs,
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Through sleepers on both morning and
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Denver earlier than any other line via
Colorado Springs, No change of cars or
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ride and grandest scenary in Colorado.
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SALT LAKE & OGBEN RAILWAY CO

SALT LAKE & OGBEN RAILWAY CO

Time Table in Effect Nov. 1, 1895.
Leave Arrive Leavo Arrive
Salt Lake Farm Lagoon & Salt Lake
ington & Farm
Lagoon ington

7:00 a.m. \*7:45 a.m. \*7:55 a.m. \*8:40 a.m.
3:49 p.m. 4:23 p.m. 4:45 p.m. 5:45 p.m.
5:49 p.m. 4:23 p.m. 4:45 p.m. 5:45 p.m.
5:49 p.m. 6:39 p.m. 6:45 p.m. 7:25 p.m.
5:49 p.m. 6:39 p.m. 6:45 p.m. 7:25 p.m.
5:49 p.m. 6:39 p.m. 6:45 p.m. 1:35 a.m.
1:40 p.m. 6:30 p.m. 6:45 p.m. 1:45 a.m.; 1:45,
3:40, 6:45 p. m.
Leave Farmington 9:45, 11:45 a. m.; 2:45,
4:46, 6:45 p. m.
Round Trip to Beck's, including bath,
25 cents. Children. 55 cents.

Simon Bambergger.

H. W. EARLY, Pass. Agent.

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Our fastest train is the "Vestibuled

Lv. Denver, 9:50 p.m. Lv. Denver, 9:50 p.m. Ar, Lincoln, 1:05 p.m. Ar. St. Joe. 5:50 p.m. Ar. Omaha, 4:00 p.m. Ar. Kan. City 8 p.m. Ar. Chicago, 8:30 a.m. Ar. St.Louis 7:19 a.m. Tickets and time tables at all R. G. W.

W. F. McMILLAN, Ceneral Agent, II Walker Block, Salt Lake City.